

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/550,558
Source: IFWP
Date Processed by STIC: 9/8/06

ENTERED



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/550,558

DATE: 09/08/2006
TIME: 13:54:01

Input Set : A:\10260303.APP
Output Set: N:\CRF4\09082006\J550558.raw

```

3 <110> APPLICANT: HAMON, CHRISTIAN
4      KUHN, KARSTEN
5      THOMPSON, ANDREW
6      REUSCHLING, DIETER
7      SCHAEFER, JUERGEN
9 <120> TITLE OF INVENTION: MASS LABELS
11 <130> FILE REFERENCE: 1020600-000303
13 <140> CURRENT APPLICATION NUMBER: 10/550,558
14 <141> CURRENT FILING DATE: 2005-09-26
16 <150> PRIOR APPLICATION NUMBER: PCT/GB04/001167
17 <151> PRIOR FILING DATE: 2004-03-18
19 <150> PRIOR APPLICATION NUMBER: GB 0306756.8
20 <151> PRIOR FILING DATE: 2003-03-24
22 <160> NUMBER OF SEQ ID NOS: 4
24 <170> SOFTWARE: PatentIn Ver. 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 607
28 <212> TYPE: PRT
29 <213> ORGANISM: Bos taurus
31 <400> SEQUENCE: 1
32 Met Lys Trp Val Thr Phe Ile Ser Leu Leu Leu Phe Ser Ser Ala
33      1           5           10          15
35 Tyr Ser Arg Gly Val Phe Arg Arg Asp Thr His Lys Ser Glu Ile Ala
36      20          25          30
38 His Arg Phe Lys Asp Leu Gly Glu Glu His Phe Lys Gly Leu Val Leu
39      35          40          45
41 Ile Ala Phe Ser Gln Tyr Leu Gln Gln Cys Pro Phe Asp Glu His Val
42      50          55          60
44 Lys Leu Val Asn Glu Leu Thr Glu Phe Ala Lys Thr Cys Val Ala Asp
45      65          70          75          80
47 Glu Ser His Ala Gly Cys Glu Lys Ser Leu His Thr Leu Phe Gly Asp
48      85          90          95
50 Glu Leu Cys Lys Val Ala Ser Leu Arg Glu Thr Tyr Gly Asp Met Ala
51      100         105         110
53 Asp Cys Cys Glu Lys Gln Glu Pro Glu Arg Asn Glu Cys Phe Leu Ser
54      115         120         125
56 His Lys Asp Asp Ser Pro Asp Leu Pro Lys Leu Lys Pro Asp Pro Asn
57      130         135         140
59 Thr Leu Cys Asp Glu Phe Lys Ala Asp Glu Lys Lys Phe Trp Gly Lys
60      145         150         155         160
62 Tyr Leu Tyr Glu Ile Ala Arg Arg His Pro Tyr Phe Tyr Ala Pro Glu
63      165         170         175
65 Leu Leu Tyr Tyr Ala Asn Lys Tyr Asn Gly Val Phe Gln Glu Cys Cys

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/550,558

DATE: 09/08/2006
TIME: 13:54:01

Input Set : A:\10260303.APP
Output Set: N:\CRF4\09082006\J550558.raw

66	180	185	190
68	Gln Ala Glu Asp Lys Gly Ala Cys Leu Leu Pro Lys Ile Glu Thr Met		
69	195	200	205
71	Arg Glu Lys Val Leu Ala Ser Ser Ala Arg Gln Arg Leu Arg Cys Ala		
72	210	215	220
74	Ser Ile Gln Lys Phe Gly Glu Arg Ala Leu Lys Ala Trp Ser Val Ala		
75	225	230	235
77	Arg Leu Ser Gln Lys Phe Pro Lys Ala Glu Phe Val Glu Val Thr Lys		240
78	245	250	255
80	Leu Val Thr Asp Leu Thr Lys Val His Lys Glu Cys Cys His Gly Asp		
81	260	265	270
83	Leu Leu Glu Cys Ala Asp Asp Arg Ala Asp Leu Ala Lys Tyr Ile Cys		
84	275	280	285
86	Asp Asn Gln Asp Thr Ile Ser Ser Lys Leu Lys Glu Cys Cys Asp Lys		
87	290	295	300
89	Pro Leu Leu Glu Lys Ser His Cys Ile Ala Glu Val Glu Lys Asp Ala		
90	305	310	315
92	Ile Pro Glu Asn Leu Pro Pro Leu Thr Ala Asp Phe Ala Glu Asp Lys		320
93	325	330	335
95	Asp Val Cys Lys Asn Tyr Gln Glu Ala Lys Asp Ala Phe Leu Gly Ser		
96	340	345	350
98	Phe Leu Tyr Glu Tyr Ser Arg Arg His Pro Glu Tyr Ala Val Ser Val		
99	355	360	365
101	Leu Leu Arg Leu Ala Lys Glu Tyr Glu Ala Thr Leu Glu Glu Cys Cys		
102	370	375	380
104	Ala Lys Asp Asp Pro His Ala Cys Tyr Ser Thr Val Phe Asp Lys Leu		
105	385	390	395
107	Lys His Leu Val Asp Glu Pro Gln Asn Leu Ile Lys Gln Asn Cys Asp		400
108	405	410	415
110	Gln Phe Glu Lys Leu Gly Glu Tyr Gly Phe Gln Asn Ala Leu Ile Val		
111	420	425	430
113	Arg Tyr Thr Arg Lys Val Pro Gln Val Ser Thr Pro Thr Leu Val Glu		
114	435	440	445
116	Val Ser Arg Ser Leu Gly Lys Val Gly Thr Arg Cys Cys Thr Lys Pro		
117	450	455	460
119	Glu Ser Glu Arg Met Pro Cys Thr Glu Asp Tyr Leu Ser Leu Ile Leu		
120	465	470	475
122	Asn Arg Leu Cys Val Leu His Glu Lys Thr Pro Val Ser Glu Lys Val		480
123	485	490	495
125	Thr Lys Cys Cys Thr Glu Ser Leu Val Asn Arg Arg Pro Cys Phe Ser		
126	500	505	510
128	Ala Leu Thr Pro Asp Glu Thr Tyr Val Pro Lys Ala Phe Asp Glu Lys		
129	515	520	525
131	Leu Phe Thr Phe His Ala Asp Ile Cys Thr Leu Pro Asp Thr Glu Lys		
132	530	535	540
134	Gln Ile Lys Lys Gln Thr Ala Leu Val Glu Leu Leu Lys His Lys Pro		
135	545	550	555
137	Lys Ala Thr Glu Glu Gln Leu Lys Thr Val Met Glu Asn Phe Val Ala		560
138	565	570	575

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/550,558

DATE: 09/08/2006
TIME: 13:54:01

Input Set : A:\10260303.APP
Output Set: N:\CRF4\09082006\J550558.raw

140 Phe Val Asp Lys Cys Cys Ala Ala Asp Asp Lys Glu Ala Cys Phe Ala
141 580 585 590
143 Val Glu Gly Pro Lys Leu Val Val Ser Thr Gln Thr Ala Leu Ala
144 595 600 605
147 <210> SEQ ID NO: 2
148 <211> LENGTH: 16
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
154 peptide
156 <220> FEATURE:
157 <221> NAME/KEY: MOD_RES
158 <222> LOCATION: (2)
159 <223> OTHER INFORMATION: dimethylglycine
161 <400> SEQUENCE: 2
W--> 162 Lys Xaa Val Pro Gln Val Ser Thr Pro Thr Leu Val Glu Val Ser Arg
163 1 5 10 15
166 <210> SEQ ID NO: 3
167 <211> LENGTH: 14
168 <212> TYPE: PRT
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
173 peptide
175 <220> FEATURE:
176 <221> NAME/KEY: MOD_RES
177 <222> LOCATION: (1)
178 <223> OTHER INFORMATION: dimethylglycine
180 <400> SEQUENCE: 3
W--> 181 Xaa Pro Cys Thr Glu Asp Tyr Leu Ser Leu Ile Leu Asn Arg
182 1 5 10
185 <210> SEQ ID NO: 4
186 <211> LENGTH: 12
187 <212> TYPE: PRT
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
192 peptide
194 <220> FEATURE:
195 <221> NAME/KEY: MOD_RES
196 <222> LOCATION: (1)
197 <223> OTHER INFORMATION: dimethylglycine
199 <220> FEATURE:
200 <221> NAME/KEY: MOD_RES
201 <222> LOCATION: (6)
202 <223> OTHER INFORMATION: dimethylglycine
204 <400> SEQUENCE: 4
W--> 205 Xaa Ala Ala Leu Lys Xaa Ala Trp Ser Val Ala Arg

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/550,558

DATE: 09/08/2006

TIME: 13:54:01

Input Set : A:\10260303.APP

Output Set: N:\CRF4\09082006\J550558.raw

206 1

5

10

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/08/2006
PATENT APPLICATION: US/10/550,558 TIME: 13:54:02

Input Set : A:\10260303.APP
Output Set: N:\CRF4\09082006\J550558.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 2✓
Seq#:3; Xaa Pos. 1✓
Seq#:4; Xaa Pos. 1,6✓

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/550,558

DATE: 09/08/2006

TIME: 13:54:02

Input Set : A:\10260303.APP

Output Set: N:\CRF4\09082006\J550558.raw

L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0